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CURRENT CORRESPONDENCE ADDRESS (Note: Use Block 1 for any change of address)

036873

7590

11/18/2005

THE LAW OFFICES OF ANDREW D. FORTNEY, P.L.C.
 P.C.

7257 N. MAPLE AVENUE

BLDG. D, SUITE 107

FRESNO, CA 93720

01/09/2006 TBESHAHE 00000118 10728699

01 FC:1501

1400.00 OP

02 FC:1504

300.00 OP

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Certificate of Mailing or Transmission

I hereby certify that this Fee(s) Transmittal is being deposited with the United States Postal Service with sufficient postage for first class mail in an envelope addressed to the Mail Stop ISSU_{in} FEE address above, or being facsimile transmitted to the USPTO (571) 273-2885, on the date indicated below.

Jennie Heaton	(Depositor's name)
<i>Jennie Heaton</i>	(Signature)
01-06-2006	(Date)

APPLICATION NO.	FILING DATE	FIRST NAMED INVENTOR	ATTORNEY DOCKET NO.	CONFIRMATION NO.
10/728,699	12/05/2003	Young-Hun Se0	OPP 031032 US	9947

TITLE OF INVENTION: TRENCH IN SEMICONDUCTOR DEVICE AND FORMATION METHOD THEREOF

APPL. TYPE	SMALL ENTITY	ISSUE FEE	PUBLICATION FEE	TOTAL FEE(S) DUE	DATE DUE
nonprovisional	NO	\$1400	\$300	\$1700	02/21/2006

EXAMINER	ART UNIT	CLASS-SUBCLASS
VU, DAVID	2818	438-430000

1. Change of correspondence address or indication of "Fee Address" (37 CFR 1.363).

☐ Change of correspondence address (or Change of Correspondence Address form PTO/SB/122) attached.

☐ "Fee Address" indication (or "Fee Address" indication form PTO/SB/47; Rev 03-02 or more recent) attached. Use of a Customer Number is required.

2. For printing on the patent front page, list

(1) the names of up to 3 registered patent attorneys or agents OR, alternatively,

(2) the name of a single firm (having as a member a registered attorney or agent) and the names of up to 2 registered patent attorneys or agents. If no name is listed, no name will be printed.

1. Andrew D. Fortney, Ph.D.

2.

3.

3. ASSIGNEE NAME AND RESIDENCE DATA TO BE PRINTED ON THE PATENT (print or type)

PLEASE NOTE: Unless an assignee is identified below, no assignee data will appear on the patent. If an assignee is identified below, the document has been filed for recordation as set forth in 37 CFR 3.11. Completion of this form is NOT a substitute for filing an assignment.

(A) NAME OF ASSIGNEE

DongbuAnam Semiconductor Inc.

(B) RESIDENCE: (CITY and STATE OR COUNTRY)

Seoul

Republic of Korea

Please check the appropriate assignee category or categories (will not be printed on the patent): ☐ Individual ☒ Corporation or other private group entity ☐ Government

4a. The following fee(s) are enclosed:

☒ Issue Fee☒ Publication Fee (No small entity discount permitted)☐ Advance Order - # of Copies

4b. Payment of Fee(s):

☐ A check in the amount of the fee(s) is enclosed.☒ Payment by credit card. Form PTO-2038 is attached.☐ The Director is hereby authorized by charge the required fee(s), or credit any overpayment, to Deposit Account Number (enclose an extra copy of this form).

5. Change in Entity Status (from status indicated above)

☐ a. Applicant claims SMALL ENTITY status. See 37 CFR 1.27.☐ b. Applicant is no longer claiming SMALL ENTITY status. See 37 CFR 1.27(g)(2).

The Director of the USPTO is requested to apply the Issue Fee and Publication Fee (if any) or to re-apply any previously paid issue fee to the application identified above.

NOTE: The Issue Fee and Publication Fee (if required) will not be accepted from anyone other than the applicant, a registered attorney or agent, or the assignee or other party in interest as shown by the records of the United States Patent and Trademark Office.

Authorized Signature

Andrew D. Fortney

Date

01-06-2006

Typed or printed name

Andrew D. Fortney, Ph.D.

Registration No.

34,600

This collection of information is required by 37 CFR 1.311. The information is required to obtain or retain a benefit by the public which is to file (and by the USPTO to process) an application. Confidentiality is governed by 35 U.S.C. 122 and 37 CFR 1.14. This collection is estimated to take 12 minutes to complete, including gathering, preparing, and submitting the completed application form to the USPTO. Time will vary depending upon the individual case. Any comments on the amount of time you require to complete this form and/or suggestions for reducing this burden, should be sent to the Chief Information Officer, U.S. Patent and Trademark Office, U.S. Department of Commerce, P.O. Box 1450, Alexandria, Virginia 22313-1450. DO NOT SEND FEES OR COMPLETED FORMS TO THIS ADDRESS. SEND TO: Commissioner for Patents, P.O. Box 1450, Alexandria, Virginia 22313-1450.

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ANDREW D. FORTNEY, PH.D.

ALEC B. PLUMB*

*REGISTERED PATENT AGENT

ATTN: **MAIL STOP ISSUE FEE**

COMPANY: COMMISSIONER FOR PATENTS / P.O. Box 1450, ALEXANDRIA VA 22313-1450

FAX: 1 (571) 273-2885

DATE: 01-06-2006

TIME: 5:15 PM

- ☐ WITH CONFIRMATION
☒ WITHOUT CONFIRMATION

RE: APPLICATION No. 10/728,699
FILED: 12-05-2003

I hereby certify that this document and all documents listed below are being transmitted via facsimile to Commissioner for Patents, fax no. (571) 273-2885, on January 6, 2006.

By: Jennie Heaton

Jennie Heaton

SUBMITTED HEREWITH FOR THE ABOVE-CAPTIONED APPLICATION:

- Transmittal Form
- Fee Transmittal Form
- PTOL-85, Part B - Fee(s) Transmittal
- Credit Card Payment Form

Respectfully submitted,

Andrew D. Fortney, Ph.D.; Reg. No. 34,600

PLEASE DIRECT ANY QUESTIONS REGARDING THE TRANSMISSION OF THIS FAX TO:
(559) 299-0128 / FAX (559) 299-0118 / INFO@FORTNEYLAW.COM

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JAN-06 2006(FRI) 17:17

A. FORTNEY LAW OFFICE

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P. 002/005

PTO/SB/21 (09-04)

Approved for use through 07/31/2008, OMB 0831-0031
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**TRANSMITTAL
FORM**

(to be used for all correspondence after initial filing)

Total Number of Pages in This Submission

4

Application Number

10/728,699

Filing Date

12-05-2003

First Named Inventor

Young-Hun SEO

Art Unit

2818

Examiner Name

Vu, David

Attorney Docket Number

OPP031052US

ENCLOSURES (Check all that apply)

Fee Transmittal Form



Fee Attached



Amendment/Reply



After Final



Affidavits/declaration(s)



Extension of Time Request



Express Abandonment Request



Information Disclosure Statement



Certified Copy of Priority Document(s)

Reply to Missing Parts/
Incomplete ApplicationReply to Missing Parts
under 37 CFR 1.52 or 1.53

Drawing(s)



Licensing-related Papers



Petition

Petition to Convert to a
Provisional Application

Power of Attorney, Revocation



Change of Correspondence Address



Terminal Disclaimer



Request for Refund



CD, Number of CD(s) _____

☐ Landscape Table on CD

Remarks



After Allowance Communication to TC

Appeal Communication to Board
of Appeals and InterferencesAppeal Communication to TC
(Appeal Notice, Brief, Reply Brief)

Proprietary Information



Status Letter

Other Enclosure(s) (please identify
below):

- Fax Transmission Cover Sheet

- PTO-85, Part B - Fee(s) Transmittal

- Credit Card Payment Form

SIGNATURE OF APPLICANT, ATTORNEY, OR AGENT

Firm Name

The Law Offices of Andrew D. Fortney, Ph.D., P.C.

Signature

Printed name

Andrew D. Fortney, Ph.D.

Date

01-06-2006

Reg. No.

34,600

CERTIFICATE OF TRANSMISSION/MAILING

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Typed or printed name

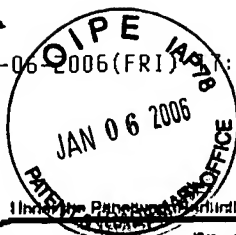
Jennie Heaton

Date

01-08-2006

This collection of information is required by 37 CFR 1.8. The information is required to obtain or retain a benefit by the public which is to file (and by the USPTO to process) an application. Confidentiality is governed by 35 U.S.C. 122 and 37 CFR 1.11 and 1.14. This collection is estimated to 2 hours to complete, including gathering, preparing, and submitting the completed application form to the USPTO. Time will vary depending upon the individual case. Any comments on the amount of time you require to complete this form and/or suggestions for reducing this burden, should be sent to the Chief Information Officer, U.S. Patent and Trademark Office, U.S. Department of Commerce, P.O. Box 1450, Alexandria, VA 22313-1450. DO NOT SEND FEES OR COMPLETED FORMS TO THIS ADDRESS. SEND TO: Commissioner for Patents, P.O. Box 1450, Alexandria, VA 22313-1450.

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PTO/SB/17 (12-04v2)

Approved for use through 07/31/2008. OMB 0651-0032

U.S. Patent and Trademark Office; U.S. DEPARTMENT OF COMMERCE

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Effective on 12/08/2004.

Fees pursuant to the Consolidated Appropriations Act, 2005 (H.R. 4818).

FEE TRANSMITTAL

For FY 2005

☐ Applicant claims small entity status. See 37 CFR 1.27

TOTAL AMOUNT OF PAYMENT (\$) 1700

Complete if Known

Application Number	10/728,699
Filing Date	12-05-2003
First Named Inventor	Young-Hun SEO
Examiner Name	Vu, David
Art Unit	2818
Attorney Docket No.	OPP031052US

METHOD OF PAYMENT (check all that apply)

☐ Check ☒ Credit Card ☐ Money Order ☐ None ☐ Other (please identify): _____

☐ Deposit Account Deposit Account Number: _____ Deposit Account Name: _____

For the above-identified deposit account, the Director is hereby authorized to: (check all that apply)

☐ Charge fee(s) indicated below ☐ Charge fee(s) indicated below, except for the filing fee
☐ Charge any additional fee(s) or underpayments of fee(s) under 37 CFR 1.16 and 1.17 ☐ Credit any overpayments

WARNING: Information on this form may become public. Credit card information should not be included on this form. Provide credit card information and authorization on PTO-2038.

FEE CALCULATION

1. BASIC FILING, SEARCH, AND EXAMINATION FEES

Application Type	FILING FEES		SEARCH FEES		EXAMINATION FEES		Fees Paid (\$)
	Fee (\$)	Small Entity Fee (\$)	Fee (\$)	Small Entity Fee (\$)	Fee (\$)	Small Entity Fee (\$)	
Utility	300	150	500	250	200	100	
Design	200	100	100	50	130	65	
Plant	200	100	300	150	160	80	
Reissue	300	150	500	250	600	300	
Provisional	200	100	0	0	0	0	

2. EXCESS CLAIM FEES

Fee Description

Each claim over 20 (including Reissues)
 Each independent claim over 3 (including Reissues)
 Multiple dependent claims

Fee (\$)	Small Entity Fee (\$)
50	25
200	100
360	180

Total Claims: _____ Extra Claims: _____ Fee (\$): _____ Fee Paid (\$): _____

- 20 or HP = _____ x _____ = _____

HP = highest number of total claims paid for, if greater than 20.

Indep. Claims: _____ Extra Claims: _____ Fee (\$): _____ Fee Paid (\$): _____

- 3 or HP = _____ x _____ = _____

HP = highest number of independent claims paid for, if greater than 3.

3. APPLICATION SIZE FEE

If the specification and drawings exceed 100 sheets of paper (excluding electronically filed sequence or computer listings under 37 CFR 1.52(e)), the application size fee due is \$250 (\$125 for small entity) for each additional 50 sheets or fraction thereof. See 35 U.S.C. 41(a)(1)(G) and 37 CFR 1.16(s).

Total Sheets: _____ Extra Sheets: _____ Number of each additional 50 or fraction thereof: _____ Fee (\$): _____ Fee Paid (\$): _____

- 100 = _____ / 50 = _____ (round up to a whole number) x _____ = _____

4. OTHER FEE(S)

Non-English Specification, \$130 fee (no small entity discount)

Other (e.g., late filing surcharge): Issue Fee (\$1400.) & Publication Fee (\$300.)

Fees Paid (\$)

1700

SUBMITTED BY

Signature		Registration No. (Attorney/Agent)	34,600	Telephone	559-289-0128
Name (Print/Type)	Andrew D. Fortney, Ph.D.	Date	01-06-2006		

This collection of information is required by 37 CFR 1.138. The information is required to obtain or retain a benefit by the public which is to file (and by the USPTO to process) an application. Confidentiality is governed by 35 U.S.C. 122 and 37 CFR 1.14. This collection is estimated to take 30 minutes to complete, including gathering, preparing, and submitting the completed application form to the USPTO. Time will vary depending upon the individual case. Any comments on the amount of time you require to complete this form and/or suggestions for reducing this burden, should be sent to the Chief Information Officer, U.S. Patent and Trademark Office, U.S. Department of Commerce, P.O. Box 1450, Alexandria, VA 22313-1450. DO NOT SEND FEES OR COMPLETED FORMS TO THIS ADDRESS. SEND TO: Commissioner for Patents, P.O. Box 1450, Alexandria, VA 22313-1450.

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